

University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
 REFERENCE
 5+ (bases 1 to 126803)
 AUTHORS
 Waterston, R.
 TITLE
 Direct Submission
 JOURNAL
 Submitted (21-DEC-1999) Department of Genetics, Washington University, 4444 Forest Park Avenue, St. Louis, Missouri 63108, USA
 COMMENT
 On Jul 17, 1999 this sequence version replaced gi|437313.
 ----- Genome Center
 Center: Washington University Genome Sequencing Center
 Center code: WUGSC
 Web site: <http://genome.wustl.edu/gsc>
 Contact: sapins@watson.wustl.edu
 ----- Summary Statistics
 Center project name: H_NH022N19

NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., Phred quality >= 30); an attempt was made to resolve all sequencing problems, such as compressions or repeats; all regions were covered by sequence from more than one subclone; and the assembly was confirmed by restriction digest.

MAPPING INFORMATION:

The sequence of this clone was established as part of a mapping and sequencing collaboration between the NIGRI Chromosome 7 Mapping Project (Eric D. Green, Director), John D. McPherson in the Department of Genetics (Washington University), and the Washington University Genome Sequencing Center. For additional information about the map position of this sequence, see <http://www.ngri.nih.gov/DIR/GTB/CHR7/>, send mailto:sgreen@ngri.nih.gov, or see <http://genome.wustl.edu/gsc>

SOURCE INFORMATION:

The RPT-11 human BAC library was made from the blood of one male donor, as described by Osoegawa, K., Woon, P.Y., Zhao, B., Frengen, E., Tateno, M., Cataneo, J.J. and de Jong, P.J. (1998) An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (<http://www.resgen.com>) or Pieter de Jong and coworkers at the Roswell Park Cancer Institute (<http://bacpac.med.buffalo.edu>)

VECTOR: PBAC^{3.6}

NEIGHBORING SEQUENCE INFORMATION:

The clone sequenced to the left is CTA-332p12, 200 bp overlap. The clone sequenced to the right is CTA-111H4, 200 bp overlap. Actual start of this clone is at base position 81540 of CTA-332p12; actual end is at base position 14809 of CTA-111H4.

FEATURES

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 1. 126803
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Query Match 92.4%; Score 451.6; DB 9; Length 126803;
Best Local Similarity 98.9%; Pred. No. 3.7e-94;
Matches 454; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

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Qy 21 TGTACTATTATGGCATATAGTTCAAAAATTACAGAAGGGAGCCAGGTGCTCTCATTG 80
Db 69732 TGTACTATTATGGTATATAGTTCAAAAATTACAGAAGGGAGCCAGGTGCTCTCATTG 69673

Qy 81 CCTAACAAAATAATGAAATATGTTACATCTAACATCTTGACATACAGTATAAGGGC 140
Db 69672 CCTAACAAAATAATGAAATATGTTACATCTAACATCTTGACATACAGTATAAGGGC 69613

Qy 141 ACTCAGCAAGTGCTTTAGTTAGACTGATTTAAATGAGTAGATTCAAGGAATACCAGAA 200
Db 69612 ACTCAGCAAGTGCTTTAGTTAGACTGATTTAAATGAGTAGATTCAAGGAATACCAGAA 69553

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Db 69552 AACACACACACACAGATAATTGGTTGAAAATACGGAGTTAGAACTTAACCATTGAAG 69493

Qy 261 AGGAGTAAGGCTACTTAAACCGTTAAAACATAATTGGTAAGGTATGGTTGACCCAGCTA 320
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Qy 381 GATGGTTGGTATAGTAAACATGAGATATGATTAAGGTGATTCAAGGATAGATCAAGTG 440
Db 69372 GATGGTTGGTATAGTAAACATGAGATATGATTAAGGTGATTCAAGGATAGATCAAGTG 69313

Qy 441 TCTGCCTAAGTAAATCTGGGNTTCATTTTTCTAG 479
Db 69312 TCTGCCTAAGTAAATCTGTGTTTCATTTTTCTAG 69274

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RESULT 3
AC007032/c
LOCUS AC007032 126803 bp DNA linear PRI 21-DEC-1999
DEFINITION Homo sapiens BAC clone RP11-22N19 from 7q22, complete sequence.
ACCESSION AC007032
VERSION AC007032.2 GI:5523832
KEYWORDS HTG.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 126803)
AUTHORS Sulston,J.E. and Waterston,R.H.
TITLE Toward a complete human genome sequence
JOURNAL Genome Res 9:1097-1108 (1999)
MEDLINE 99063792
PUBMED 9847074
REFERENCE 2 (bases 1 to 126803)
AUTHORS Maas,J., Wohldmann,P., Harper,M. and Phillips,A.
TITLE The sequence of Homo sapiens BAC clone RP11-22N19
JOURNAL Unpublished
REFERENCE 3 (bases 1 to 126803)
AUTHORS Waterston,R.H.
TITLE Direct Submission
JOURNAL Submitted (06-MAR-1999) Genome Sequencing Center, Washington
University School of Medicine, 4444 Forest Park Parkway, St. Louis,
MO 63108, USA
REFERENCE 4 (bases 1 to 126803)
AUTHORS Waterston,R.H.
TITLE Direct Submission
JOURNAL Submitted (17-JUL-1999) Genome Sequencing Center, Washington